

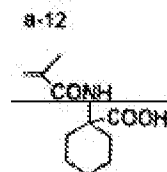
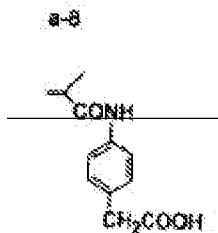
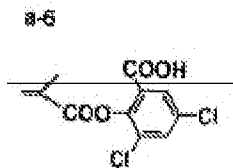
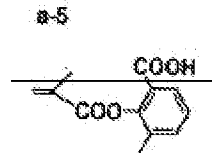
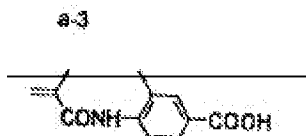
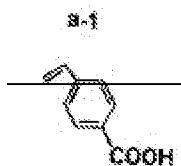
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

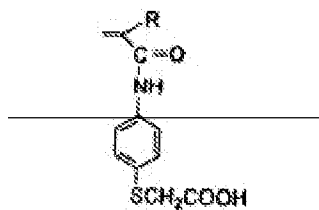
LISTING OF CLAIMS:

1. (currently amended): An infrared-sensitive lithographic printing plate comprising a support and a heat-sensitive layer, wherein the heat-sensitive layer comprises:

(A) a copolymer having a monomer unit selected from the group consisting of monomer units represented by the following formulas ~~a-1, a-3, a-5, a-6, a-8, a-12, a-14, a-15, a-17, a-18, a-19, a-20, a-21, a-22, a-23, a-24, a-29, a-30, a-33, a-34, a-35~~ and a-36, and at least one monomer unit selected from the group consisting of (meth)acrylic acid esters and (meth)acrylamide derivatives:

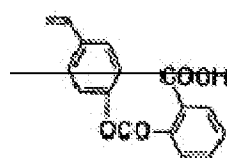


a-14,15

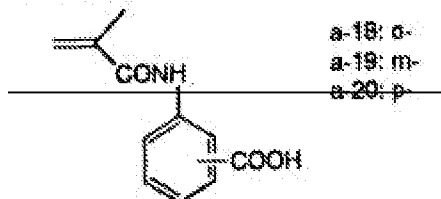


a-14: R = -H, a-15: R = -CH₃

a-17

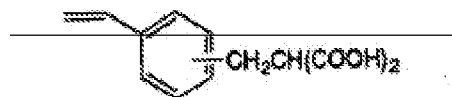


a-18,19,20

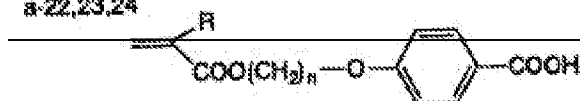


a-18: o-
a-19: m-
a-20: p-

a-21



a-22,23,24

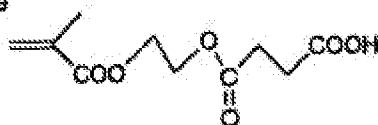


a-22: R = -CH₃, n=4

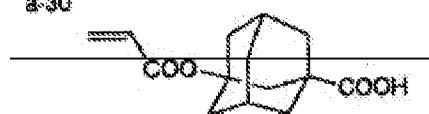
a-23: R = -CH₃, n=6

a-24: R = -H, n=6

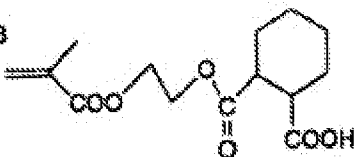
a-29



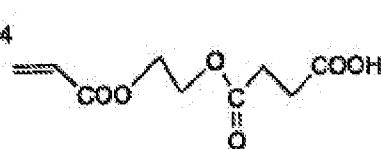
a-30



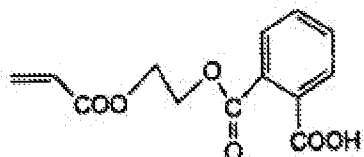
a-33



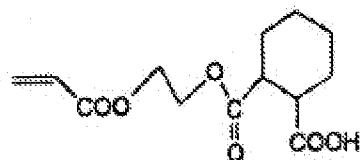
a-34



a-35



a-36



;

(B) an alkali-soluble high molecular weight compound having a sulfonamide group; and
(C) a light-heat conversion material,
provided that the copolymer (A) and the compound (B) are separate and distinct components.

2. (currently amended): The infrared-sensitive lithographic printing plate according to claim 1, wherein the copolymer (A) comprises the monomer unit selected from the group consisting of monomer units represented by formulas ~~a-1, a-3, a-5, a-6, a-8, a-12, a-14, a-15, a-17, a-18, a-19, a-20, a-21, a-22, a-23, a-24, a-29, a-30, a-33, a-34, a-35~~ and a-36 in an amount of 1 to 90 mol%.

3. (previously presented): The infrared-sensitive lithographic printing plate according to claim 1, wherein the copolymer (A) further has at least one monomer unit which is a styrene derivative.

4. (previously presented): The infrared-sensitive lithographic printing plate according to claim 1, wherein the amount of the at least one monomer unit selected from the group consisting of (meth)acrylic acid esters and (meth)acrylamide derivatives is from 5 to 90 mol%.

5. (original): The infrared-sensitive lithographic printing plate according to claim 1, wherein the heat-sensitive layer comprises the copolymer (A) in an amount of 1 wt% to 40 wt%.

6. (original): The infrared-sensitive lithographic printing plate according to claim 1, wherein the alkali-soluble high molecular weight compound (B) has at least one monomer unit of low molecular weight compounds each having in one molecule, at least one sulfonamide group -NH-SO₂- and at least one polymerizable unsaturated bond.

AMENDMENT UNDER 37 C.F.R. § 1.111

U.S. Appln. No.: 10/743,412

Attorney Docket No.: Q79133

7. (previously presented): The infrared-sensitive lithographic printing plate according to claim 1, wherein the heat-sensitive layer further comprises a novolak resin.

8. (original): The infrared-sensitive lithographic printing plate according to claim 1, wherein the light-heat conversion material is an infrared absorbing dye.

9. (original): The infrared-sensitive lithographic printing plate according to claim 8, wherein the infrared absorbing dye has an absorbance at 700 to 1200 nm infrared rays.

10. (original): The infrared-sensitive lithographic printing plate according to claim 1, wherein the heat-sensitive layer comprises the light-heat conversion material in an amount of 0.01 to 50 wt%.

Claims 11-12. (canceled).

13. (previously presented): The infrared-sensitive lithographic printing plate according to claim 3, wherein the amount of the styrene derivative monomer unit is from 5 to 90 mol%.